

DATA SHEET

Product Name: RIPA-56

Catalog #: CV-1043

Alt: CAS # 1956370-21-0; N-Benzyl-N-hydroxy-2,2-dimethylbutanamide

Molecular Mass: 221.30

Analysis: >98% (TLC); NMR (conforms)

Supplied As: White powder

Resuspension: May be dissolved in DMSO (50 mg/ml); or Ethanol (50 mg/ml)

Storage: Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to one month.

Description: RIPA-56 is a potent ($IC_{50}=13$ nM, $EC_{50}=28$ nM for HT-29 cells) and selective inhibitor of Receptor-Interacting Protein 1 (RIP1) kinase with significant metabolic stability ($t_{1/2}=128$ min human liver microsomal stability assay)¹. RIPA-56 showed excellent kinase selectivity and did not inhibit IDO at 200 μ M. It was able to block the progression of multiple sclerosis in an immune-induced demyelination model².

References:
1. Ren, Y., et al., (2017) J. Med. Chem., 60 : 972
2. Zhang, S., et al., (2019) Proc. Natl. Acad. Sci., 116 : 5675

For research use only. Not for use in humans.